



State of Utah

DEPARTMENT OF ENVIRONMENTAL QUALITY
DIVISION OF WATER QUALITY

DOGM
MINERALS PROGRAM
FILE COPY

5/001/008

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Governor

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Executive Director

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April 9, 1993

CERTIFIED MAIL

Mr. Byron Muir
Star Mountain Gold
P.O. Box 142
Milford, Utah 84751

RECEIVED

APR 16 1993

DIVISION OF
OIL GAS & MINING

RE: Star Mountain Gold Draft Ground Water
Discharge Permit No. UGW010001

Dear Mr. Muir:

We have received your letter of April 3, 1993 stating that the most recent draft permit will require the use of three toxic chemicals, calcium or sodium hypochlorite, sodium arsenate, and acid. You indicate the use of the first two chemicals are acceptable to you, but are concerned about the use of acid.

Included with your enclosures in the letter is a copy of some of the draft permit pages with the inscription "SMG Proposed Revisions, Draft permit dated 3-26-93". Also, you have proposed two revisions to the draft permit as follows:

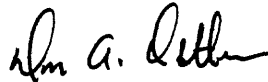
- 1). Add the words, "The Compliance Monitoring Point shall be located at the vat rinse drainpipe." at the end of the first paragraph of Part I section D.
- 2). Change pH 8.5 to pH 9.5 in the third paragraph subheading 1).a. in Part I section D.

The proposed revisions are acceptable. Please note the draft permit does not require the use of acid for pH reduction, only that the pH be within a range wherein cyanide destruction would be expected to be effective, and reflecting current ground water standards. In accepting your proposed higher value of 9.5 for pH, we would not expect cyanide destruction to be as effective as the previously proposed pH 8.5 in meeting the 0.3 mg/l cyanide limit.

Mr. Byron Muir
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Based on our telephone conversations of April 8, 1993 we are providing to you and your attorney copies of the proposed draft permit containing the above revisions. Since we have provided you numerous drafts of the proposed permit and in this latest iteration have concurred exactly with changes that you have suggested, we will now proceed with the public noticing process of issuance of the permit. Attached is a copy of the public notice shown as it will be published.

Sincerely,



Don A. Ostler, P.E.
Director

DAR:rvg

cc: Richard Coxson (w/enclosure)
Wayne Thomas
D.O.G.M
Southwest District Health Department
Fred Nelson

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FILE: STAR MTN GOLD